UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 6,792,947 B1
APPLICATION NO. : 09/648143
DATED : September 21, 2004
INVENTOR(S) : Bowden

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The title page, showing an illustrative figure, should be deleted and substitute therefor the attached title page.

Delete drawing sheets 1-3, and substitute therefor the drawing sheets, consisting of FIGS. 1-4 as shown on the attached pages.

Signed and Sealed this

Twenty-eighth Day of July, 2009

John Doll

JOHN DOLL
Acting Director of the United States Patent and Trademark Office

(12) **United States Patent**
Bowden

(10) **Patent No.: US 6,792,947 B1**
(45) **Date of Patent: Sep. 21, 2004**

(54) **FLOW CONTROL VALVE FOR MANUAL RESUSCITATOR DEVICES**

(75) Inventor: **Kevin D. J. Bowden**, Orangeville (CA)

(73) Assignee: **O-Two Systems International Inc.** (CA)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 386 days.

(21) Appl. No.: **09/648,143**

(22) Filed: **Aug. 25, 2000**

(51) **Int. Cl.**[7] **A62B 7/00**; A61M 16/00

(52) **U.S. Cl.** **128/205.17**; 128/203.11; 128/205.14; 128/205.13; 128/203.28; 128/207.14; 128/207.16; 137/908

(58) **Field of Search** 128/203.11, 204.25, 128/205.17, 205.14, 205.13, 204.18, 203.28, 202.28, 202.29, 207.16, 207.14, 204.28; 137/908, 102, 107, 1

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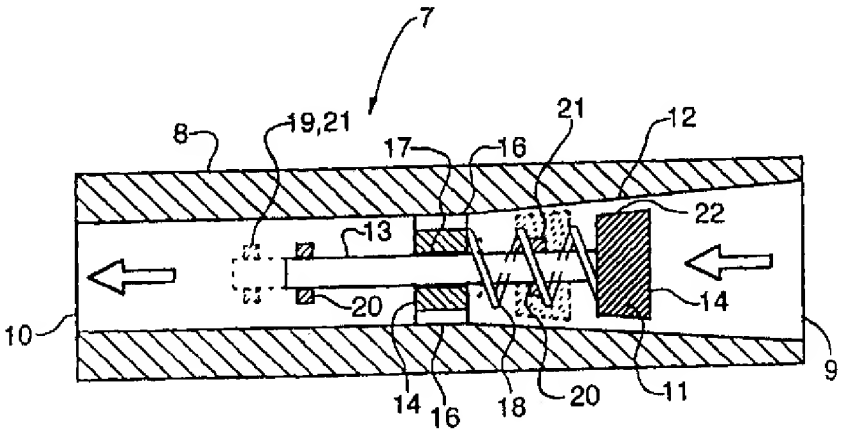
(57) **ABSTRACT**

An improved manual resuscitation device such as a bag-valve-mask (BVM) device with flow control valve to eliminate the danger of patient distension and aspiration of stomach contents during ventilation. The BVM having the usual patient mask with a gas inlet and flexible patient face sealing edge, flexible manually squeezed bag with a one way intake and output valves in flow communication with a gas source and the mask inlet, and exhaust port for exhausting exhaled gas from the mask when the bag output valve is closed. The flow control valve is interposed between the mask and bag to automatically and variably limit the rate of gas flow from the bag to the mask between a predetermined minimum flow rate and a maximum flow rate. A similar flow control valve can be included in any manual resuscitation device such as a pocket mask or face shield to equal advantage.

10 Claims, 3 Drawing Sheets



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Sheet 1, Figure 1

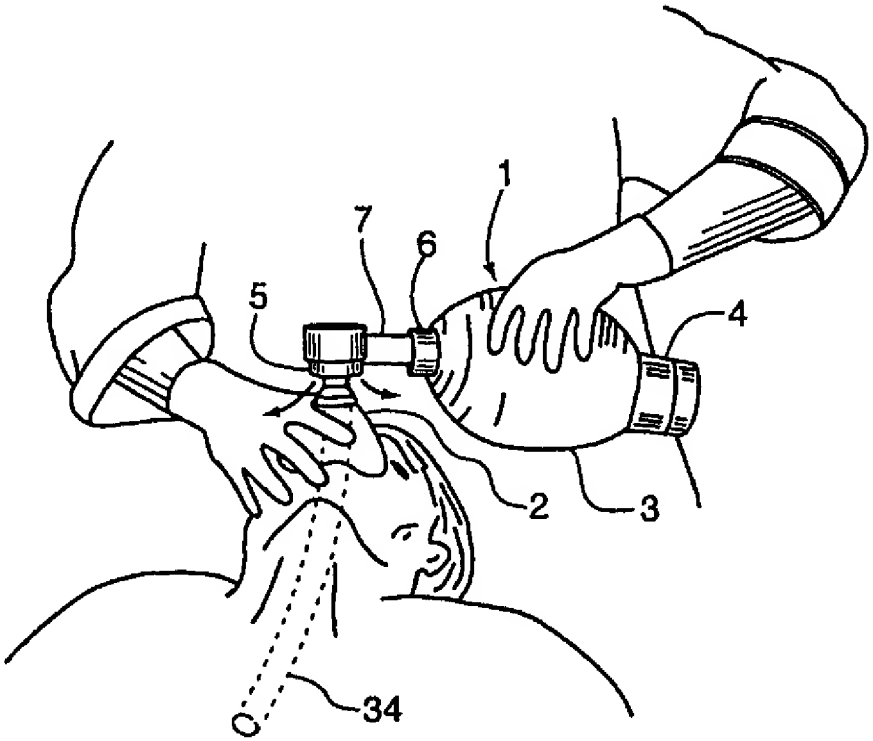

FIG.1

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Sheet 2, Figure 2

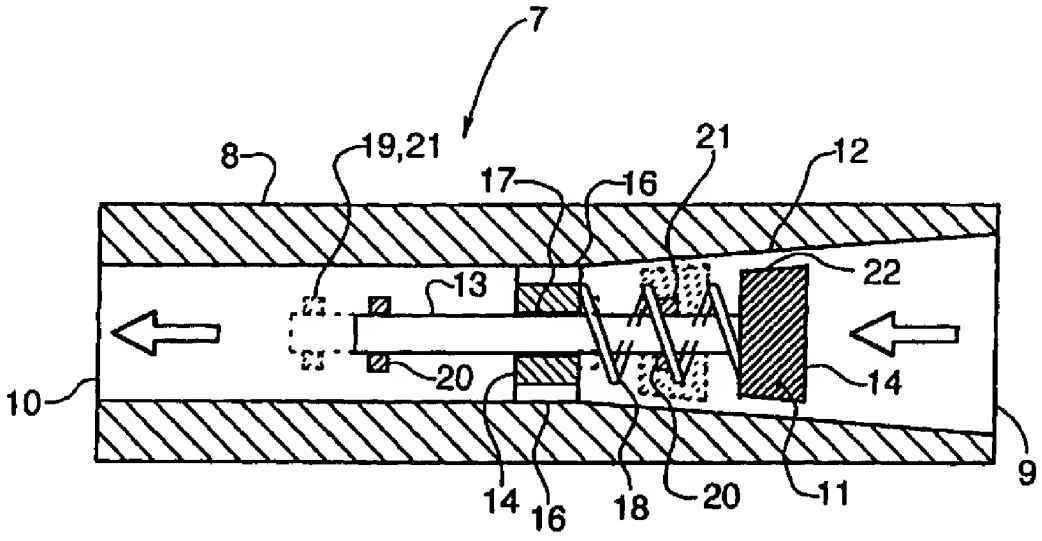

FIG.2

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Sheet 3, Figures 3 and 4

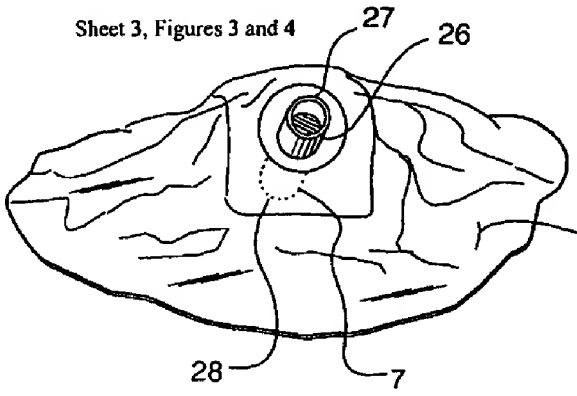

FIG. 3

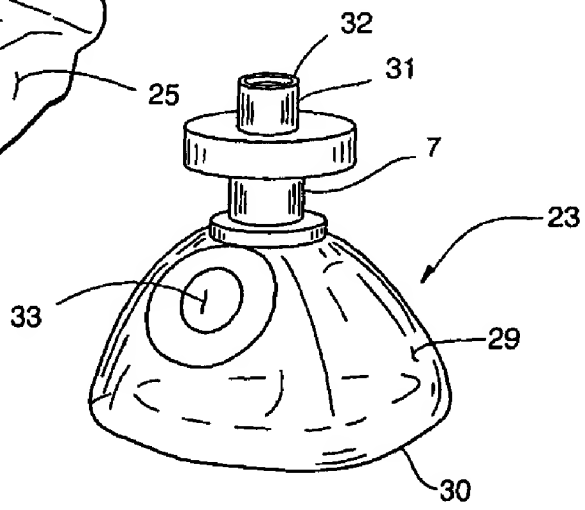

FIG. 4